

	REGISTRO RECORD	REVISÃO REVISION 0
CÓDIGO CODE IAS-RG-0223	FICHA DE SERVIÇOS Service Sheet	PÁGINA PAGE 1/3

COMPONENTE COMPONENT	O.S W.O	MODELO Model	P/N	S/N
FUEL CONTROL UNIT		DP-F2 Main Fuel Control Unit		

IDENTIFICAÇÃO IDENTIFICATION	
TÍTULO TITLE	FICHA PARA REGISTROS DE TESTE DA FUEL CONTROL UNIT FUEL CONTROL UNIT TEST SHEET

PUBLICAÇÃO PUBLICATION	REFERÊNCIA REFERENCE	TLN	DATA DATE
COMPONENT MAINTENANCE MANUAL WITH ILLUSTRATED PARTS LIST	73-20-11	TLN02407	January 14 th , 2019 Temporary Revision 73-45
		CONJUNTO MAIOR MAIN PART	
		P/N	S/N

Teste Aplicável aos Part Numbers Test Applicable to Part Numbers						
3244735-3	3244735-4	3244735-5	3244735-6	3244735-7	3244735-8	3244737-2
3244737-3	3244737-4	3244737-5	3244737-6	3244737-7	3244737-8	

TESTE DA UNIDADE DE CONTROLE DE COMBUSTÍVEL FUEL CONTROL UNIT TEST				
ITEM Item	PROCEDIMENTOS TOLERÂNCIAS Procedures Serviceable limits	Resultado Result	Data Date	Executante Performed by
A	Instale a MFCU na bancada de teste usando o adaptador estriado e adaptador de montagem, ou equivalente. <i>Assemble the MFCU to the test stand, using spline adapter and mounting adapter, or equivalent.</i>			
B	Mantenha uma pressão Po de ± 10 psi dos limites especificados, usando uma válvula de controle Po. <i>Maintain Po pressure to within ± 10 psi of specified limits, using Po control valve.</i>			
C	Defina a pressão Pn em 400 pph usando uma válvula de controle Pn certificando-se de que o fluxo de 400 pph está indicado no medidor de fluxo. Não altere as configurações da válvula de controle Pn durante todo o teste. <i>Set Pn pressure at 400 pph using Pn control valve ensuring that flow of 400 pph is indicated on flowmeter. Do not change setting of Pn control valve during the entire test.</i>			
D	Ajuste a pressão diferencial P1-P2 para 26-42 in.Hg. Ajuste o orifício da válvula de medição usando a chave de regulagem até a pressão diferencial e o fluxo de injeção estiverem dentro dos limites especificados. <i>Adjust P1-P2 pressure differential to 26 to 42 in.Hg. Adjust metering valve orifice using metering valve orifice adjustment wrench, until pressure differential and nozzle flow are within specified limits.</i>			
E	Defina os parâmetros conforme ponto de teste e com a cover removida, ajuste a porca até o fluxo de injeção ler de 15-21 pph. <i>Set parameters at test point and with cover removed, adjust nut, until nozzle flow reads 15 to 21 pph.</i>			
F	Defina a pressão de combustível P1 em 1000 psig e observe se há vazamentos durante 2 a 3 minutos. Não é permitido nenhum tipo de vazamento. <i>Set P1 fuel pressure at 1000 psig and observe leakage for 2 to 3 minutes. No leakage permitted.</i>			

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CALIBRAÇÃO E LIMITAÇÃO DOS TESTES | CALIBRATION AND TEST LIMITATIONS

Calibration and Test Limitations (Units P/N 3244735-3 through -8 and 3244737-2 through -8)												
TEST POINT	SPEED (rpm)	FUEL SUPPLY (pph)	THROTTLE ANGLE (deg.)	Pc AIR SUPPLY (psia)	NOZZLE FLOW (pph)		Po (psig)	MISCELLANEOUS RECORDINGS		NOTES	NOTES	
					Min.	Recorded Max.						
Metering Valve Orifice and Bypass Valve Differential Pressure Setting												
SEQ.	2	3-6	1	4		5						
* 1.01	5800	1350	MAX.	40.0	240		250	200	Pl-P2 Pn		1,2,3.	1. Set Pl-P2 pressure differential to 26 to 42 inches Hg.
* 1.02	2900	720	30-32	40.0	76		79	75	Pl-P2 Pn		2,3.	2. Record Pl-P2 pressure differential.
* 1.03	5800	1350	MAX.	85.0	510		532	110	Pl-P2 Pn Pc-Py		1,2,3,4.	3. Record Pn pressure.
* 1.04	5800	1350	MAX.	120.0	645		655	90	Pl-P2		2.	4. Record Pc-Py pressure differential 8.0 inches Hg max.
1.05	5800	1350	MAX.	40.0	-10		+10	200	Pl-P2		2,5.	5. Record difference in nozzle flow from Test Point 1.01.
Speed Bias Spring Setting												
SEQ.	2-7	3-6	1	4		5						
2.01	5800	1350	MAX.	60.0	X		X	160				6. Record air flow jet (130, IFL Fig. 1) size finally installed.
2.02	5100	1170	MAX.	60.0	-15		-21	120				7. Record the speed.
2.03	4000	1000	MAX.	40.0	200		210	100	Jet Size 52 56		6.	8. Record air flow jet (180A, IFL Fig. 1) size finally installed.
Governor Spring Setting												
SEQ.	4	3-7	1	2-6		5						
* 3.01	6520	1460	90	100	540		550	140				9. Observe that speed is more than -50 rpm of that at Test Point 3.02 and record.
3.02		1460	90	100		525		150	Jet Size 60 65		7,8.	
3.03		1580	90	100	355		385	215				
3.04		1460	90	100		525		150	Speed diff. -50 0		7,9.	

Calibration and Test Limitations (Units P/N 3244735-3 thru -8 and 3244737-2 thru -8).												
TEST POINT	SPEED (rpm)	FUEL SUPPLY (pph)	THROTTLE ANGLE (deg.)	Pc AIR SUPPLY (psia)	NOZZLE FLOW (pph)		Po (psig)	MISCELLANEOUS RECORDINGS		NOTES	NOTES	
					Min.	Recorded Max.						
Idle Speed Stop Setting and Flight Idle Throttle Angle												
SEQ.	3	1,7	4	2,5			6					
* 4.01	3300	800	28-30	30.0	112		121	85	-			10. Throttle angle to be between 37 and 41 degrees. Record angle.
SEQ.	2	1		3		5	4					11. Move throttle lever to 30 degrees position. Observe and record that maximum nozzle flow decrease is not more than 5 pph.
4.02	4000	1000		37.0		102	125	125	-		10.	
Low End of Acceleration and Throttle Movement Effect												
SEQ.	2	4	3	1			5					
5.01	815	200	40	Ambient Pressure	60		X	30	-			12. Adjust Pr-Pa to 35 to 37 inches Hg. Record.
5.02	2100	670	40	25.0	125		139	40	pph dec.		11.	13. Difference from Test Point 6.01 is not more than 2.7 inches Hg. maximum. Record.
Governor Reset Check												
6.01	Zero	Zero	MAX.	85.0		-	-	-	Pr-Pa		12.	14. Set speed in excess of 6000 rpm and record.
6.02	Zero	Zero	MAX.	40.0		-	-	-	Pr-Pa diff		13.	15. Pg-Ps to be 2.5 to 3.4 inches Hg. Record.
SEQ.	5	3	1	2			4					16. Pg-Ps difference from Test Point 6.04 to be between 0.8 and 1.2 inches Hg. Record.
6.03		1490	MAX.	100.0		505		170	-		14.	17. Pg-Pa to be between 12.2 and 14.4 inches Hg. Record.
6.04		1490	MAX.	100.0		481		180	Pg-Ps		14,15.	
6.05		1490	MAX.	100.0		369		220	Pg-Ps		14,16.	
6.06	4000	900	MAX.	35.0	114		128	120	Pg-Pa		17.	

Observações Remarks			
Aprovação Approval	Nome Name	Data Date	Assinatura Signature

